



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010578
CERTIFICATION DATE: October 8, 2013
DATE RECERTIFICATION DUE: April 6, 2014

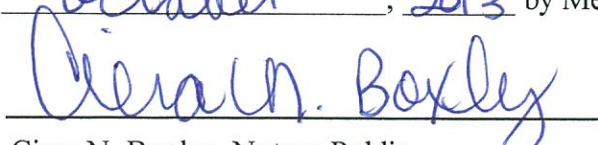
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.


Melissa Kennedy

Program Manager, Calibration & Training

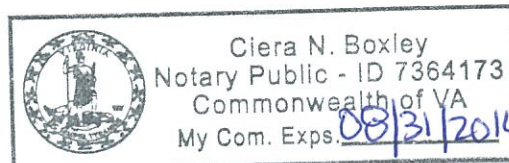
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 25th day of
October, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014





Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 10/9/2013

HMS
NW

Instrument Serial Number: 010578

As of 09-Oct-13

Maintenance Date	Certification Date	Technician Initials	Remarks
08-Oct-13	08-Oct-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
21-May-13	21-May-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
14-Dec-12	14-Dec-12	SED (24178)	CERTIFIED.
17-Oct-12	17-Oct-12	TLN (25387)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
17-Mar-11	04-Feb-11	HMS (18910)	REPLACED PRINTER RIBBON.
04-Feb-11	04-Feb-11	HMS (18910)	CERTIFIED
10-Jan-11	10-Jan-11	HMS (18910)	CERTIFIED
29-Mar-10	29-Mar-10	RJP (22428)	REPLACED TANK TOP LID. CERTIFIED
10-Nov-09	10-Nov-09	RJP (22428)	CALIBRATED AND CERTIFIED.
02-Jun-09	02-Jun-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
06-Jan-09	06-Jan-09	RJP (22428)	CALIBRATED AND CERTIFIED.
26-Nov-08	26-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II
Quality Assurance Worksheet

HMS
MS

Instrument Serial Number **010578** Worksheet Start Date **10/8/2013**
Location **Prince William County Adult Detention Center**
Address **9320 Lee Ave., Manassas, VA 20110**
DFS Technician **Heather Stanton** License No. **18910**

☐ Laboratory

☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.
E-Seek
Keyboard
Printer
UPS

New serial no.

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

10 pads

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010578

Certification Date 10/8/2013

Instrument Barometer (mm HG) 759

Reference Barometer (mm HG) 761

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.247
0.250	0.249	0.241	0.256	Sample 2	0.247
Precision		sample min	sample max	Sample 3	0.247
0		0.247	0.247		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.152
0.150	0.150	0.145	0.154	Sample 2	0.153
Precision		sample min	sample max	Sample 3	0.152
0.001		0.152	0.153		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG206601-13

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

Heath A. Stark

Date

10/9/13

Issuing Analyst

Melissa Kennedy

Date

10/15/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten initials and signature in blue ink.

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/08/2013
TEST EQUIPMENT NUMBER 010578		

RESULTS: TIME SAMPLE TAKEN 10:55 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 09 Oct 2013 at 08:32

Handwritten initials: HNS and MSR

Test Results

Instrument Serial Number 010578

Test # 001297 Subject Test

Test Location 1 Department of
Test Date 08 Oct 2013

Test Location 2 Forensic Science
Test Time 10:49
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 08 Oct 2013 End Time 10:56

Result Time 10:55

Result Date 08 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:49

Data Type BLK

Sample Value 0.000

Sample Time 10:50

Data Type CHK

Sample Value 0.100

Sample Time 10:51

Data Type BLK

Sample Value 0.000

Sample Time 10:52

Data Type SUBJ

Sample Value 0.000

Sample Time 10:53

Data Type BLK

Sample Value 0.000

Sample Time 10:54

Data Type SUBJ

Sample Value 0.000

Sample Time 10:55

Data Type BLK

Sample Value 0.000

Sample Time 10:56

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG227501-13

Standard Expiration Date 10/01/2014

Tank Pressure 169

Barometric Pressure 759 mmHg

Blow Sample Number 1 Blow Duration 3.32 sec

Blow Volume 1828 cc End-of-Blow Time 10:53

Blow Sample Number 2 Blow Duration 3.49 sec

Blow Volume 1770 cc End-of-Blow Time 10:55

Tamper Evident Stamp ba555bab

Test Status Code 0

Test Status Success

AKS
WHL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010578 Test Number: 1298

Test Date: 10/08/2013 Test Time: 10:58 EDT

Dry Gas Target: 0.100

Lot Number: AG227501-13 Exp Date: 10/01/2014

Tank Pressure: 164 psi Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:59
CHK	0.099	11:00
BLK	0.000	11:01
CHK	0.099	11:02
BLK	0.000	11:03
CHK	0.099	11:04

Test Status: *Success*

Calibration CRC: 25C2A34C

HMS
hsk

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010578 Test Number: 1299

Test Date: 10/08/2013 Test Time: 11:08 EDT

Dry Gas Target: 0.299

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 129 psi Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:08
CHK	0.296	11:09
BLK	0.000	11:11
CHK	0.296	11:12
BLK	0.000	11:13
CHK	0.295	11:14

Test Status: *Success*

Calibration CRC: 25C2A34C

HMS

NSA

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010578

System Date: 10/08/2013

System Time: 11:47 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

AMS
MSK

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010578 Test Number: 1300

Test Date: 10/08/2013 Test Time: 11:48 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 659 psi Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:49
CAL	0.100	11:50

Test Status: *Success*

Calibration CRC: F951886A

MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010578 Test Number: 1301
Test Date: 10/08/2013 Test Time: 11:52 EDT

Technician Initials: HMS

Dry Gas Target: 0.249

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 556 psi Barometric Pressure: 758 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:53
BLK	0.000	11:54
CHK	0.247	11:54
BLK	0.000	11:56
CHK	0.247	11:57
BLK	0.000	11:58
CHK	0.247	11:59
BLK	0.000	12:01

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Handwritten initials/signature

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010578 Test Number: 1302
Test Date: 10/08/2013 Test Time: 12:04 EDT

Technician Initials: HMS

Dry Gas Target: 0.150

Lot Number: 0771315013-04 Exp Date: 05/01/2015

Tank Pressure: 95 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:04
BLK	0.000	12:05
CHK	0.152	12:06
BLK	0.000	12:07
CHK	0.153	12:08
BLK	0.000	12:09
CHK	0.152	12:10
BLK	0.000	12:12

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010578 Test Number: 1303
Test Date: 10/08/2013 Test Time: 12:13 EDT

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 0651208012-04 Exp Date: 04/01/2014

Tank Pressure: 105 psi Barometric Pressure: 758 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:13
BLK	0.000	12:14
CHK	0.080	12:15
BLK	0.000	12:16
CHK	0.080	12:17
BLK	0.000	12:18
CHK	0.080	12:19
BLK	0.000	12:20

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
msk

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010578 Test Number: 1304
Test Date: 10/08/2013 Test Time: 12:21 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 178 psi Barometric Pressure: 758 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:22
BLK	0.000	12:23
CHK	0.019	12:23
BLK	0.000	12:25
CHK	0.019	12:25
BLK	0.000	12:27
CHK	0.019	12:27
BLK	0.000	12:29

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Handwritten signature

Handwritten signature

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010578 Test Number: 1305

Test Date: 10/08/2013 Test Time: 12:31 EDT

Dry Gas Target: 0.299

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 115 psi Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:31
CHK	0.301	12:32
BLK	0.000	12:34
CHK	0.301	12:35
BLK	0.000	12:37
CHK	0.301	12:38

Test Status: *Success*

Calibration CRC: F951886A

hms
hsk

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010578 Test Number: 1306

Test Date: 10/08/2013 Test Time: 12:40 EDT

Dry Gas Target: 0.100

Lot Number: AG206601-13 Exp Date: 03/06/2014

Tank Pressure: 884 psi Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:41
CHK	0.100	12:41
BLK	0.000	12:43
CHK	0.100	12:44
BLK	0.000	12:45
CHK	0.100	12:46

Test Status: *Success*

Calibration CRC: F951886A




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten initials: HWS and PWS

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/08/2013
TEST EQUIPMENT NUMBER 010578		

RESULTS: TIME SAMPLE TAKEN 12:53 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 09 Oct 2013 at 08:35

FINES
NOK

Test Results

Instrument Serial Number 010578

Test # 001307 Subject Test

Test Location 1 Department of
Test Date 08 Oct 2013

Test Location 2 Forensic Science
Test Time 12:47
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 08 Oct 2013 End Time 12:55

Result Time 12:53

Result Date 08 Oct 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:47

Data Type BLK

Sample Value 0.000

Sample Time 12:48

Data Type CHK

Sample Value 0.099

Sample Time 12:49

Data Type BLK

Sample Value 0.000

Sample Time 12:50

Data Type SUBJ

Sample Value 0.000

Sample Time 12:51

Data Type BLK

Sample Value 0.000

Sample Time 12:52

Data Type SUBJ

Sample Value 0.000

Sample Time 12:53

Data Type BLK

Sample Value 0.000

Sample Time 12:54

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG206601-13

Standard Expiration Date 03/06/2014

Tank Pressure 875

Barometric Pressure 758 mmHg

Blow Sample Number 1 Blow Duration 3.32 sec

Blow Volume 1793 cc

End-of-Blow Time 12:51

Blow Sample Number 2 Blow Duration 3.36 sec

Blow Volume 1749 cc

End-of-Blow Time 12:53

Tamper Evident Stamp c7f761a1

Test Status Code 0

Test Status Success